

Title (en)
IMPROVED HEARING APPARATUS

Title (de)
VERBESSERTES HÖRGERÄT

Title (fr)
PROTHESE AUDITIVE AMELIOREE

Publication
EP 0567535 B1 20030813 (EN)

Application
EP 92903788 A 19920116

Priority
• US 64273591 A 19910117
• US 9200380 W 19920116

Abstract (en)
[origin: WO9213430A1] A hearing aid is configured and dimensioned so as to be inserted past the cartilaginous part (30) of the external auditory canal (external acoustic meatus) and into the bony part (32) of the external auditory canal. The outer portion of the hearing aid fits snugly into the cartilaginous part (30) of the external auditory canal; the microphone (14) is located at the acoustic focus (36) of the ear such that the natural sound and direction gathering functions of the human outer ear are fully utilized by the hearing aid. The inner portion of the hearing aid is articularly joined to the outer portion to enable the inner portion to be positioned past the sigmoid portion (42) of the external auditory canal and forms a soft covered, elongated speaker (12) which fits within part of the bony part (32) of the external auditory canal, without causing discomfort to the human user.

IPC 1-7
H04R 25/00

IPC 8 full level
H04R 19/01 (2006.01); **H04R 25/00** (2006.01); **H04R 25/02** (2006.01)

CPC (source: EP US)
H04R 19/016 (2013.01 - EP US); **H04R 25/502** (2013.01 - EP US); **H04R 25/554** (2013.01 - EP US); **H04R 25/558** (2013.01 - EP US); **H04R 25/656** (2013.01 - EP US); **H04R 25/356** (2013.01 - EP US); **H04R 25/456** (2013.01 - EP US); **H04R 25/654** (2013.01 - EP US); **H04R 2225/025** (2013.01 - EP US); **H04R 2225/51** (2013.01 - EP US); **H04R 2420/07** (2013.01 - EP US); **H04R 2460/13** (2013.01 - EP US); **H04R 2460/15** (2013.01 - EP US)

Cited by
US8391522B2; US12028705B2; US8391523B2; US10783996B2; US11381924B2

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